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From: Claire Buchanan
Sent: Fri 2/26/2016 8:40:55 PM
Subject: From Programmatic Goals to Criteria for Phytoplankton Chlorophyll a
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[ICP16-1 Buchanan.pdf](#)

Hello Leo,

I spent a lot more time than expected participating in the Scientific Advisory Panel (SAP) of the James River Chlorophyll Criteria Study. Most of that time was supported by ICPRB's CWA 106 grant. Last May, Mike Hoffman approved adding my participation as a sub-task in our FY15 workplan and the work has extended into this fiscal year.

I was encouraged by VADEQ last year to synthesize the findings of broader, longer term analyses I had done before and during the Study. I ended up writing a 36 page 'white paper' which I have subsequently updated and turned into a full-fledged report. I would like to submit that report (attached) to EPA3 as a deliverable for my participation in the Study. The report shows how science-based numeric chlorophyll criteria that protect 'balance, indigenous, desirable' phytoplankton populations can be developed from CBP narrative programmatic goals. It is not the SAP's final report, but rather a synthesis of some broader Chesapeake Bay findings that have relevance in VADEQ's deliberations. It will be listed as a deliverable in ICPRB's upcoming mid-year progress report to EPA3.

Sincerely,

Claire

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